

ABSTRACT OF THE DISCLOSURE

5 In a video coding apparatus 1, a conversion unit
8 converts an image into atom information including
index information to a basis, a coefficient and
positional information specifying a position where a
10 pattern is restored. An encoding unit 12 encodes an
atom flag specifying existence of atom information and
the number of items of atom information for each of
blocks into which the image is divided. The encoding
15 unit 12 converts the positional information of the atom
information included in each of the block into
positional information which specifies a relative
position in the block, and encodes the atom information
to generate a compression code. The above processing
is performed while changing the size of the block, and
the compression code with the minimum bit rate and a
code relating to the size of the block used for the
generation thereof are included in compression data.